
Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=4; day=18; hr=17; min=32; sec=5; ms=354;]

Validated By CRFValidator v 1.0.3

Application No: 10627556 Version No: 3.0

Input Set:

Output Set:

Started: 2009-04-02 18:02:17.053 **Finished:** 2009-04-02 18:02:36.212

Elapsed: 0 hr(s) 0 min(s) 19 sec(s) 159 ms

Total Warnings: 631

No. of SeqIDs Defined: 699

Actual SeqID Count: 699

Total Errors:

Error code		Error Description										
W	213	Artificial o	r	Unknown	found	in	<213>	in	SEQ	ID	(19)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(20)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(27)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(28)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(29)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(30)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(31)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(32)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(33)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(34)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(35)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(36)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(37)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(38)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(39)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(40)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(41)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(42)	
W	213	Artificial o	r	Unknown	found	in	<213>	in	SEQ	ID	(43)	
W	213	Artificial c	r	Unknown	found	in	<213>	in	SEQ	ID	(44)	

Input Set:

Output Set:

Started: 2009-04-02 18:02:17.053 **Finished:** 2009-04-02 18:02:36.212

Elapsed: 0 hr(s) 0 min(s) 19 sec(s) 159 ms

Total Warnings: 631
Total Errors: 9
No. of SeqIDs Defined: 699

Actual SeqID Count: 699

Error code Error Description

Error code		Error Description
		This error has occured more than 20 times, will not be displayed
W	402	Undefined organism found in <213> in SEQ ID (201)
W	402	Undefined organism found in <213> in SEQ ID (202)
W	402	Undefined organism found in <213> in SEQ ID (203)
W	402	Undefined organism found in <213> in SEQ ID (204)
W	402	Undefined organism found in <213> in SEQ ID (205)
W	402	Undefined organism found in <213> in SEQ ID (206)
E	257	Invalid sequence data feature in <221> in SEQ ID (212)
Ε	257	Invalid sequence data feature in <221> in SEQ ID (216)
W	402	Undefined organism found in <213> in SEQ ID (451)
W	402	Undefined organism found in <213> in SEQ ID (452)
W	402	Undefined organism found in <213> in SEQ ID (457)
W	402	Undefined organism found in <213> in SEQ ID (458)
W	251	Found intentionally skipped sequence in SEQID (520)
W	251	Found intentionally skipped sequence in SEQID (521)
W	251	Found intentionally skipped sequence in SEQID (522)
W	251	Found intentionally skipped sequence in SEQID (523)
W	251	Found intentionally skipped sequence in SEQID (524)
W	251	Found intentionally skipped sequence in SEQID (525)
W	251	Found intentionally skipped sequence in SEQID (526)
W	251	Found intentionally skipped sequence in SEQID (527)
W	251	Found intentionally skipped sequence in SEQID (639)

Input Set:

Output Set:

Started: 2009-04-02 18:02:17.053 **Finished:** 2009-04-02 18:02:36.212

Elapsed: 0 hr(s) 0 min(s) 19 sec(s) 159 ms

Total Warnings: 631
Total Errors: 9
No. of SeqIDs Defined: 699

Actual SeqID Count: 699

Error code	Error Description									
W 251	Found intentionally skipped sequence in SEQID (640)									
W 251	Found intentionally skipped sequence in SEQID (643)									
W 251	Found intentionally skipped sequence in SEQID (646)									
W 251	Found intentionally skipped sequence in SEQID (680)									
W 251	Found intentionally skipped sequence in SEQID (681)									
E 257	Invalid sequence data feature in <221> in SEQ ID (685)									
E 257	Invalid sequence data feature in <221> in SEQ ID (685)									
E 257	Invalid sequence data feature in <221> in SEQ ID (685)									
E 257	Invalid sequence data feature in <221> in SEQ ID (696)									
E 257	Invalid sequence data feature in <221> in SEQ ID (696)									
E 257	Invalid sequence data feature in <221> in SEQ ID (696)									
E 257	Invalid sequence data feature in <221> in SEQ ID (696)									
W 251	Found intentionally skipped sequence in SEQID (699)									

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<110> Ledbetter, Jeffrey A.
Hayden-Ledbetter, Martha
     Thompson, Peter A.
<120> BINDING CONSTRUCTS AND METHODS FOR USE THEREOF
<130> 910180.401C2
<140> 10627556
<141> 2003-07-26
<150> US 10/053,530
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     atctcccgga cccctgaggt cacatgcgtg gtggtggacg tgagccacga agaccctgag
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     gaggagcagt acaacagcac gtaccgtgtg gtcagcgtcc tcaccgtcct gcaccaggac
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     tggctgaatg gcaaggagta caagtgcaag gtctccaaca aagccctccc agcccccatc
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                                                                           420
     ccatcccggg atgagctgac caagaaccag gtcagcctga cctgcctggt caaaggcttc
                                                                            480
                                                                            540
     tatcccagcg acatcgccgt ggagtgggag agcaatgggc agccggagaa caactacaag
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                                                                            600
     gacaagagca ggtggcagca ggggaacgtc ttctcatgct ccgtgatgca tgaggctctg
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                                                                            714
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<212> PRT
<213> Homo sapiens
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                                          10
     Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro
                                      25
                  2.0
     Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
                                  40
     Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn
                              55
                                                  60
     Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
                          70
                                              75
     Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val
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90

95

85

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100
                                    105
     Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
                        120
     Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp
         130
                            135
                                               140
     Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
                        150
                                            155
     Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu
                    165
                                       170
     Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
                180
                                   185
     Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
                      200
                                            205
     Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
                            215
                                               220
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                                                                        120
     ttttggaggc cgagtcacgt gcgttgtagt ggacgtcgga aagaaagacc ccgaggtcaa 180
                                                                        240
     tttcaactgg tatattgatg gcgttgaggt gcgaacggcc aatacgaagc caaaagagga
     acagttcaac agcacgtacc gcgtggtcag cgtcctgccc atccagcacc aggactggct
                                                                      300
     gacggggaag gaattcaagt gcaaggtcaa caacaaagct ctcccggccc ccatcgagag
                                                                      360
     gaccatetee aaggecaaag ggeagaceeg ggageegeag gtgtacacee tggeeecaca
                                                                        420
     ccgggaagaa ctggccaagg acaccgtgag cgtaacatgc ctggtcaaag gcttctaccc
                                                                        480
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agctgacatc aacgttgagt ggcagaggaa cggtcagccg gagtcagagg gcacctacgc

540

Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser

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caacgacggg acctacttcc tctacagcaa gctctcggtg ggaaagaaca cgtggcagca

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600

660 720

660 720

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<213> Lama glama
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                                         10
      Pro Asn Pro Thr Thr Glu Ser Lys Cys Pro Lys Cys Pro Ala Pro Glu
                  2.0
                                      25
      Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp
      Val Leu Ser Ile Ser Gly Arg Pro Glu Val Thr Cys Val Val Asp
                              55
     Val Gly Gln Glu Asp Pro Glu Val Ser Phe Asn Trp Tyr Ile Asp Gly
                          70
                                             7.5
     Ala Glu Val Arg Thr Ala Asn Thr Arg Pro Lys Glu Glu Gln Phe Asn
                     85
                                          90
      Ser Thr Tyr Arg Val Val Ser Val Leu Pro Ile Gln His Gln Asp Trp
                  100
                                     105
      Leu Thr Gly Lys Glu Phe Lys Cys Lys Val Asn Asn Lys Ala Leu Pro
              115
                                  120
     Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Thr Arg Glu
                             135
                                                 140
      Pro Gln Val Tyr Thr Leu Ala Pro His Arg Glu Glu Leu Ala Lys Asp
                          150
                                              155
      Thr Val Ser Val Thr Cys Leu Val Lys Gly Phe Tyr Pro Pro Asp Ile
                     165
                                         170
     Asn Val Glu Trp Gln Arg Asn Gly Gln Pro Glu Ser Glu Gly Thr Tyr
                                      185
      Ala Thr Thr Pro Pro Gln Leu Asp Asn Asp Gly Thr Tyr Phe Leu Tyr
                                  200
                                                      205
      Ser Lys Leu Ser Val Gly Lys Asn Thr Trp Gln Gln Gly Glu Thr Phe
                             215
                                                  220
     Thr Cys Val Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
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                                              235
                                                                  240
      Ser Ile Thr Gln Ser Ser Gly Lys
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                                                                           120
      caccegaaaa cetgaggtea egtgettgtg gtggaegtgg gtaaagaaga ceetgagate
                                                                           180
                                                                           240
      gagttcaagc tggtccgtgg atgacacaga ggtacacacg gctgagacaa agccaaagga
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      ggaacagttc aacagcacgt accgcgtggt cagcgtcctg cccatccagc accaggactg
                                                                           360
     gctgacgggg aaggaattca agtgcaaggt caacaacaaa gctctcccag ccccatcga
     gaggaccatc tccaaggcca aagggcagac ccgggagccg caggtgtaca ccctggcccc
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      cccagctgac atcaacgttg agtggcagag gaatgggcag ccggagtcag agggcaccta
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      cgccaacacg ccgccacagc tggacaacga cgggacctac ttcctctaca gcaaactctc
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<213> Lama glama
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                                     25
                 20
     Lys Ala Lys Asp Val Leu Ser Ile Thr Arg Lys Pro Glu Val Thr Cys
                                 40
     Leu Trp Trp Thr Trp Val Lys Lys Thr Leu Arg Ser Ser Ser Trp
                             55
     Ser Val Asp Asp Thr Glu Val His Thr Ala Glu Thr Lys Pro Lys Glu
                         70
                                             75
     Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val Leu Pro Ile Gln
                                         90
     His Gln Asp Trp Leu Thr Gly Lys Glu Phe Lys Cys Lys Val Asn Asn
                 100
                                     105
     Lys Ala Leu Pro Ala Pro Ile Glu Arg Thr Ile Ser Lys Ala Lys Gly
             115
                                 120
     Gln Thr Arg Glu Pro Gln Val Tyr Thr Leu Ala Pro His Arg Glu Glu
                             135
                                                 140
     Leu Ala Lys Asp Thr Val Ser Val Thr Cys Leu Val Lys Gly Phe Phe
                         150
                                             155
     Pro Ala Asp Ile Asn Val Glu Trp Gln Arg Asn Gly Gln Pro Glu Ser
                              170
                    165
     Glu Gly Thr Tyr Ala Asn Thr Pro Pro Gln Leu Asp Asn Asp Gly Thr
                                     185
     Tyr Phe Leu Tyr Ser Lys Leu Ser Val Gly Lys Asn Thr Trp Gln Gln
                                 200
     Gly Glu Val Phe Thr Cys Val Val Met His Glu Ala Leu His Asn His
                             215
     Ser Thr Gln Lys Ser Ile Thr Gln Ser Ser Gly Lys
     225
                         230
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<213> Homo sapiens
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<211> 54 <212> DNA

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                                                               15
     Pro Ala
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     gaggtcaagt tcaactggta cgtggacggc gtggaggtgc ataatgccaa gacaaagccg
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     cgggaggagc agtacaacag cacgtaccgt gtggtcagcg tcctcaccgt cctgcaccag
                                                                            240
     gactggctga atggcaagga gtacaagtgc aaggtctcca acaaagccct cccagccccc
                                                                            300
                                                                            327
     atcgagaaaa ccatctccaa agccaaa
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<211> 109
<212> PRT
<213> Homo sapiens
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                                          1.0
     Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
                  20
                                      25
     Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
     Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
                              55
                                                  60
     Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
                          70
                                              75
     Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
                                          90
     Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
                  100
                                      105
<210> 15
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<212> DNA
<213> Homo sapiens
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                                                                            120
     aaccaggtca gcctgacctg cctggtcaaa ggcttctatc ccagcgacat cgccgtggag
     tgggagagca atgggcagcc ggagaacaac tacaagacca cgcctcccgt gctggactcc
                                                                            180
     gacggctcct tcttcctcta tagcaagctc accgtggaca agagcaggtg gcagcagggg
                                                                            240
                                                                            300
     aacgtettet catgeteegt gatgeatgag getetgeaca accaetacae geagaagage
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324

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<213> Homo sapiens
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                                         10
     Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
                                     25
     Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu
                                 40
                                                      45
     Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
                             55
     Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
                         70
                                              75
     Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
                     85
                                         90
     Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
                 100
                                     105
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<213> Homo sapiens
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                                                                            54
<210> 18
<211> 18
<212> PRT
<213> Homo sapiens
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                      5
                                         1.0
                                                              15
     Pro Ala
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<212> DNA
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<223> Description of Artificial Synthetic
     nucleotide sequence
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     cctgggtgga ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc
                                                                           120
     ccggacccct gaggtcacat gcgtggtggt ggacgtgagc cacgaagacc ctgaggtcaa
                                                                           180
                                                                           240
     gttcaactgg tacgtggacg gcgtggaggt gcataatgcc aagacaaagc cgcgggagga
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